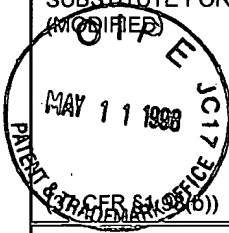
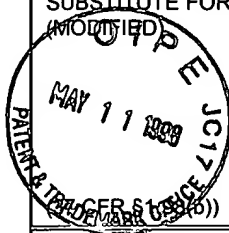
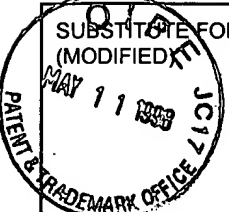


SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED)		PATENT AND TRADEMARK OFFICE		Attorney Docket No.		00786/0263003	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Serial No.		08/962,750	
				Applicant		Frederick M. Ausubel et al.	
				Filing Date		November 3, 1997	
(37 CFR §1.98(b))				Group		1643	
U.S. PATENTS							
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)	
<i>MLS</i>	5,270,448	12/14/93	Jewel M. Payne	<i>530</i>	<i>350</i>		
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)	
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)							
<i>MLS</i>	Geels, F.P. " <i>Pseudomonas tolaasii</i> control by kasugamycin in cultivated mushrooms (<i>Agaricus bisporus</i>)", <i>J. Applied Bacteriology</i> 79: 38-42, (1995).						
<i>MLS</i>	Grewal P.S. and Hand, P. "Effects of bacteria isolated from a saprophagous rhabditid nematode <i>Caenorhabditis elegans</i> on the mycelial growth of <i>Agaricus bisporus</i> ", <i>J. Applied Bacteriology</i> , 72: 173-179, (1992).						
EXAMINER <i>MLG</i>				DATE CONSIDERED <i>12-31-98</i>			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.							

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 00786/263003				
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No. 08/962,750 Applicant Frederick M. Ausubel et al. Filing Date November 3, 1997 Group 1815				
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
MS	4,713,378	12/15/87	Perrone et al.	514	192	
MS	5,366,995	11/22/94	Savage et al.	514	558	
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
MS	Alexander et al., "Surgical Infections and Choice of Antibiotics," In: Textbook of Surgery, Sabiston, D.C., (ed.), Saunders, W.B., Philadelphia, PA pp. 221-236 (1991).					
MS	Bent et al., "RPS2 of <i>Arabidopsis thaliana</i> : A Leucine-Rich Repeat Class of Plant Disease Resistance Genes," Science 265:1856-1860 (1994).					
MS	Berka et al., "Phospholipase C (Heat-Labile Hemolysin) of <i>Pseudomonas aeruginosa</i> : Purification and Preliminary Characterization," J. Bacteriology 152:239-245 (1982).					
MS	Bestwick et al., "Localization of Hydrogen Peroxide Accumulation During the Hypersensitive Reaction of Lettuce Cells to <i>Pseudomonas syringae</i> pv <i>phaseolicola</i> ," The Plant Cell 9:209-221 (1997).					
MS	Bucher, G. E., "Pathogens of Tobacco and Tomato Hornworms," Journal of Invertebrate Pathology 9:82-89 (1967).					
MS	Bulla, Lee A. Jr., "Bacteria as Insect Pathogens," Annu. Rev. Microb. 29:163-190 (1975).					
MS	Chadwick, June Stephens, "Serological Responses of Insects," Federation Proceedings 26:1675-1679 (1967).					
MS	Chadwick et al., "Adherence Patterns and Virulence for <i>Galleria mellonella</i> Larvae of Isolates of <i>Serratia marcescens</i> ," Journal of Invertebrate Pathology 55:133-134 (1990).					
MS	Charpentier et al., "The Bacterial Flora of the Midgut of Two Danish Populations of Healthy Fifth Instar Larvae of the Turnip Moth, <i>Scotia segetum</i> ," Journal of Invertebrate Pathology 32:59-63 (1978).					
MS	Cho et al., "Ornamental Plants as Carriers of <i>Pseudomonas aeruginosa</i> ," Phytopathology 65:425-431 (1975).					
MS	Debener et al., "Identification and Molecular Mapping of a Single <i>Arabidopsis thaliana</i> Locus Determining Resistance to a Phytopathogenic <i>Pseudomonas syringae</i> Isolate," The Plant Journal 1:289-302 (1991).					
MS	Dong et al., "Induction of <i>Arabidopsis</i> Defense Genes by Virulent and Avirulent <i>Pseudomonas syringae</i> Strains and by a Cloned Avirulence Gene," The Plant Cell 3:61-72 (1991).					
MS	Dunphy, Gary B., "Interaction of Mutants of <i>Xenorhabdus nematophilus</i> (Enterobacteriaceae) With Antibacterial Systems of <i>Galleria mellonella</i> Larvae (Insecta: Pyralidae)," J. Insect Physiol. 40:161-168 (1994).					
MS	Dunphy et al., "Octopamine, a Modulator of the Haemocytic Nodulation Response of Non-immune <i>Galleria mellonella</i> Larvae," J. Insect Physiol. 40:267-272 (1994).					
EXAMINER BP Swartz			DATE CONSIDERED 12-31-98			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No.		00786/263003	
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.		08/962,750	
				Applicant		Frederick M. Ausubel et al.	
				Filing Date		November 3, 1997	
				Group		1815	
U.S. PATENTS							
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)	
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)	
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)							
<i>MS</i>	Elrod et al., "Pseudomonas Aeruginosa; Its Role as a Plant Pathogen," J. Bacteriology 46:633-645 (1942).						
<i>MS</i>	Elrod et al., "A Phytopathogenic Bacterium Fatal to Laboratory Animals," Science 94:520-521 (1941).						
<i>MS</i>	Fenselau et al., "Determinants of Pathogenicity in <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> are Related to Proteins Involved in Secretion in Bacterial Pathogens of Animals," Molecular Plant-Microbe Interactions 5:390-396 (1992).						
<i>MS</i>	Fuqua et al., "Quorum Sensing in Bacteria: the LuxR-LuxI Family of Cell Density-Responsive Transcriptional Regulators," J. Bacteriology 176:269-275 (1994).						
<i>MS</i>	Gingrich, Richard E., "Acquired Humoral Immune Response of the Large Milkweed Bug, <i>Oncopeltus Fasciatus</i> (Dallas), to Injected Materials," J. Ins. Physiol. 10:179-194 (1964).						
<i>MS</i>	Green et al., "Agricultural Plants and Soil as a Reservoir for <i>Pseudomonas aeruginosa</i> ", Appl. Microbiology 28:987-991 (1974).						
<i>MS</i>	Gough et al., "hrp Genes of <i>Pseudomonas solanacearum</i> are Homologous to Pathogenicity Determinants of Animal Pathogenic Bacteria and are Conserved Among Plant Pathogenic Bacteria," Molecular Plant-Microbe Interactions 5:384-389 (1992).						
<i>MS</i>	Harshey et al., "Spinning tails: homologies among bacterial flagellar systems," Trends in Microbiology 4:226-231 (1996).						
<i>MS</i>	Holloway, "Genetic Recombination in <i>Pseudomonas aeruginosa</i> ," J. Gen. Microbiol. 13:572-581 (1955).						
<i>MS</i>	Hoffmann et al., "Insect Immunity: <i>Galleria Mellonella</i> and Other Lepidoptera Have Cecropia-P9-Like Factors Active Against Gram Negative Bacteria," Insect Biochem. 11: 537-548 (1981).						
<i>MS</i>	Huang et al., "The <i>Pseudomonas syringae</i> pv. <i>syringae</i> 61 <i>hrpH</i> Product, an Envelope Protein Required for Elicitation of the Hypersensitive Response in Plants," J. Bacteriology 174:6878-6885 (1992).						
<i>MS</i>	Huang et al., "Characterization of the <i>Pseudomonas syringae</i> pv. <i>syringae</i> 61 <i>hrpJ</i> and <i>hrpI</i> Genes: Homology of <i>HrpI</i> to a Superfamily of Proteins Associated with Protein Translocation," Molecular Plant-Microbe Interactions 6:515-520 (1993).						
<i>MS</i>	Iglewski et al., "NAD-Dependent Inhibition of Protein Synthesis by <i>Pseudomonas aeruginosa</i> Toxin," Proc. Nat. Acad. Sci. USA 72:2284-2288 (1975).						
EXAMINER <i>P. Swartz</i>				DATE CONSIDERED 12-31-98			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.							

	SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE		Attorney Docket No.	00786/263003
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	08/962,750
			Applicant	Frederick M. Ausubel et al.
			Filing Date	November 3, 1997
			Group	1815
(37 CFR §1.98(b))				














U.S. PATENTS

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)

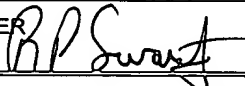
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

	Ishimoto et al., "Formation of Pilin in <i>Pseudomonas aeruginosa</i> Requires the Alternative σ Factor (RpoN) of RNA polymerase," Proc. Natl. Acad. Sci. USA 86:1954-1957 (1989).
	Jarosz, J., "Interaction of <i>Pseudomonas aeruginosa</i> Proteinase with the Inducible Non-Self Response System of Insects," Cytobios 83:71-84 (1995).
	Johnston et al., "Transcriptional activation of <i>Salmonella typhimurium</i> Invasion Genes by a Member of the Phosphorylated Response-Regulator Superfamily," Mol. Microbiol. 22:715-727 (1996).
	Kamon et al., "Immune Response of Locusts to Venom of the Scorpion", Journal of Invertebrate Pathology, 7:192-198 (1965).
	Kaska, Milan, "The Toxicity of Extracellular Proteases of the Bacterium <i>Serratia marcescens</i> for Larvae of Greater Wax Moth, <i>Galleria Mellonella</i> ," Journal of Invertebrate Pathology 27:271 (1976).
	Kanost et al., "Isolation and Characterization of a Hemocyte Aggregation Inhibitor From Hemolymph of <i>Manduca sexta</i> Larva," Archives of Insect Biochemistry and Physiology 27:123-136 (1994).
	Kominos et al., "Introduction of <i>Pseudomonas aeruginosa</i> into a Hospital via Vegetables," Appl. Microbiol. 24:567-570 (1972).
	Kovalchik et al., " <i>Neisseria gonorrhoeae</i> : Colonial Morphology of Rectal Isolates," Appl. Microbiol. 23:986-989 (1972).
	Kunkel et al., "RPS2, an Arabidopsis Disease Resistance Locus Specifying Recognition of <i>Pseudomonas syringae</i> Strains Expressing the Avirulence Gene <i>avrRpt2</i> ," The Plant Cell 5:865-875 (1993).
	Laville et al., "Global control in <i>Pseudomonas fluorescens</i> Mediating Antibiotic Synthesis and Suppression of Black Root Rot of Tobacco," Proc. Natl. Acad. Sci. USA 1562-1566 (1992).
	Lee et al., "Type III Secretion Systems: Machines to Deliver Bacterial Proteins into Eukaryotic Cells?," Trends Microbiol. 5:148-156 (1997).
	Lemaitre et al., "The Dorsoventral Regulatory Gene Cassette <i>spätzle/Toll/cactus</i> Controls the Potent Antifungal Response in <i>Drosophila</i> Adults," Cell 86:973-983 (1996).
	Lysenko, O., " <i>Pseudomonas</i> -An Attempt at a General Classification," J. Gen. Microbiol. 25:379-408 (1963).

EXAMINER



DATE CONSIDERED

12-31-98

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

SUBSTITUTE FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Attorney Docket No.

00786/263003

Serial No.

08/962,750

Applicant

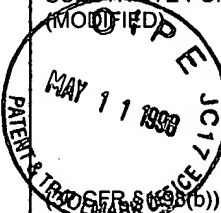
Frederick M. Ausubel et al.

Filing Date

November 3, 1997

Group

1815

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

U.S. PATENTS

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

<i>MS</i>	Lysenko, O., "The Mechanisms of Pathogenicity of <i>Pseudomonas aeruginosa</i> (Schroeter) Migula, I. The Pathogenicity of Strain N-06 for Larvae of the Greater Wax Moth, <i>Galleria mellonella</i> (Linnaeus)," Journal of Insect Pathology 5:78-82 (1963).
<i>MS</i>	Lysenko, O., "The Mechanisms of Pathogenicity of <i>Pseudomonas aeruginosa</i> (Schroeter) Migula, II. A toxic Substance Produced in Filtrates of Cultures," Journal of Insect Pathology 5:83-88 (1963).
<i>MS</i>	Lysenko, O., "The Mechanisms of Pathogenicity of <i>Pseudomonas aeruginosa</i> (Schroeter) Migula, III. The Effect of N-06 Toxin on the Oxygen Consumption of <i>Galleria</i> Prepupae," Journal of Insect Pathology 5:89-93 (1963).
<i>MS</i>	Lysenko, O., "The Mechanisms of Pathogenicity of <i>Pseudomonas aeruginosa</i> (Schroeter) Migula, IV. The Antigenic Character of the Toxin Produced by Strain N-06," Journal of Insect Pathology 5:94-97 (1963).
<i>MS</i>	Lysenko, O., "Chitinase of <i>Serratia marcescens</i> and Its Toxicity to Insects," Journal of Invertebrate Pathology 27:385-386 (1976).
<i>MS</i>	Meyers et al., "Infections Caused by Microorganisms of the Genus <i>Erwinia</i> ," Annals of Internal Medicine 76:9-14 (1972).
<i>MS</i>	Mittler et al., "Inhibition of Programmed Cell Death in Tobacco Plants during a Pathogen-Induced Hypersensitive Response at Low Oxygen Pressure," The Plant Cell 8:1991-2001 (1996).
<i>MS</i>	Mullett et al., "Analysis of Immune Defences of the Wax Moth, <i>Galleria mellonella</i> , with Anti-haemocytic Monoclonal Antibodies," J. Insect Physiol. 39:897-902 (1993).
<i>MS</i>	Ohman et al., "Toxin A-Deficient Mutants of <i>Pseudomonas aeruginosa</i> PA103: Isolation and Characterization," Infection and Immunity 28:899-908 (1980).
<i>MS</i>	Ostroff et al., "Identification of a New Phospholipase C Activity by Analysis of an Insertional Mutation in the Hemolytic Phospholipase C Structural Gene of <i>Pseudomonas aeruginosa</i> ," J. Bacteriology 169:4597-4601 (1987).
<i>MS</i>	Pant et al., "Cellulolytic Activity in a Phytophagous Lepidopteran Insect <i>Philosamia Ricini</i> : The Origin of the Enzymes," Insect Biochem. 19:269-276 (1989).
<i>MS</i>	Preston et al., "Rapid and Sensitive Method for Evaluating <i>Pseudomonas aeruginosa</i> Virulence Factors during Corneal Infections in Mice," Infect. Immun. 63:3497-3501 (1995).
<i>MS</i>	Pye et al., "Hemocytes Containing Polyphenoloxidase in <i>Galleria</i> Larvae after Injections of Bacteria," Journal of Invertebrate Pathology 19:166-170 (1972).

EXAMINER

RPSwartz

DATE CONSIDERED

12-31-98

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

SUBSTITUTE FORM PTO-9 U.S. DEPARTMENT OF COMMERCE
 PATENT AND TRADEMARK OFFICE

Attorney-Do No.

00786/263003

Serial No.

08/962,750

Applicant

Frederick M. Ausubel et al.

Filing Date

November 3, 1997

Group

1815

 INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT
 (Use several sheets if necessary)

37 CFR § 1.98(b)

U.S. PATENTS

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

MS	Rahme, "Common Virulence Factors for Bacterial Pathogenicity in Plants and Animals," Science 268:1899-1902 (1995).
MS	Raun et al., "Bacterial Pathogens in Iowa Corn Insects," Journal of Insect Pathology 5:66-71 (1963).
MS	Reimmann et al., "The Global Activator <i>GacA</i> of <i>Pseudomonas aeruginosa</i> PAO Positively Controls the Production of the Autoinducer N-butyl-homoserine Lactone and the Formation of the Virulence Factors Pyocyanin, Cyanide, and Lipase," Mol. Microbiol. 24:309-319 (1997).
MS	Rich et al., "Genetic Evidence that the <i>gacA</i> Gene Encodes the Cognate Response Regulator for the <i>lrmA</i> Sensor in <i>Pseudomonas syringae</i> ," J. Bacteriology 176:7468-7475 (1994).
MS	Russell et al., "Antibacterial Proteins in the Midgut of <i>Manduca sexta</i> During Metamorphosis," J. Insect. Physiol. 42:65-71 (1996).
MS	Schroth et al., "Epidemiology of <i>Pseudomonas Aeruginosa</i> in Agricultural Areas," <i>Pseudomonas Aeruginosa</i> : Ecological Aspects and Patient Colonization 1-29 (1977).
MS	Som et al., "Isolation & Identification of <i>Pseudomonas aeruginosa</i> Pathogenic to Insect Larvae," Indian Journal of Experimental Biology 18:590-593 (1980).
MS	Stephens et al., "Some Properties of an Immune Factor Isolated from the Blood of Actively Immunized Wax Moth Larvae," Canadian Journal of Microbiology 8:719-725 (1962).
MS	Stephens, June M., "Immune Responses of Some Insects to Some Bacterial Antigens" Canadian Journal of Microbiology 5:203-228 (1959).
MS	Stephens, June M., "Bactericidal Activity of the Blood of Actively Immunized Wax Moth Larvae," Canadian Journal of Microbiology 8:491-499.
MS	Stevens et al., "A Quantitative Model of Invasive <i>Pseudomonas</i> Infection in Burn Injury," J. Burn Care & Rehabilitation 15:232-235 (1994).
MS	Swift et al., "Quorum sensing a population-density component in the determination of bacterial phenotype," Trends Biochem. Sci. 21:214-219 (1996).
	VLaven et al., "Identification of the Gut Bacterial Micro Flora in Armyworms Mamestra - Brassicae Lepidoptera Noctuidae Importance of the Environment," Annis Soc. r. Zool. Botg. 112-23-39 (1982).
MS	Winans, et al., "Adaptation of a conjugal transfer system for the export of pathogenic macromolecules," Trends Microbiol. 64:64-68 (1996).
MS	Xu et al., "Molecular Cloning of Genes That Specify Virulence in <i>Pseudomonas solanacearum</i> ," J. Bacteriology 170:617-622 (1988).

EXAMINER

RPSwartz

DATE CONSIDERED

12-31-98

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.